

d his

(FILE 'HOME' ENTERED AT 10:14:37 ON 13 OCT 2004)

FILE 'REGISTRY' ENTERED AT 10:15:04 ON 13 OCT 2004

E CHLOROPHYLLIN/CN
2 S E3

FILE 'CAPLUS' ENTERED AT 10:16:57 ON 13 OCT 2004

255603 S L1 OR CHLOROPHYLLIN OR PHOTOCHLORINE OR PHYTOCHLORIN OR CH
36 S L2 AND GREEN(W)TEA#
1584 S L1 OR CHLOROPHYLLIN OR PHOTOCHLORINE OR PHYTOCHLORIN OR 19
14 S L4 AND GREEN(W)TEA#

FILE 'USPATFULL, USPAT2' ENTERED AT 10:29:54 ON 13 OCT 2004

2 S US6753325/PN
0 S L6 AND CHLOROPHYLLIN

FILE 'CAPLUS' ENTERED AT 10:31:09 ON 13 OCT 2004

4 S L7

FILE 'REGISTRY' ENTERED AT 10:35:51 ON 13 OCT 2004

E LIPOIC ACID/CN
2 S E3
150 S L9 OR 57828-26-9 OR 1200-22-2 OR LIPOIC(W)ACID OR THIOCTI
0 S L4 AND VITAMIN(W)D3
0 S L10 AND VITAMIN(W)D3

FILE 'CAPLUS' ENTERED AT 10:41:45 ON 13 OCT 2004

0 S L11
0 S L12

FILE 'EUROPATFULL, FRFULL, PATDPAFULL, PCTFULL, RDISCLOSURE, USPATFULL,
USPAT2' ENTERED AT 10:42:13 ON 13 OCT 2004

5 S L13
211 S L14
198 S L16 AND (RADIO? OR RADIAT? OR IONIZ? OR SKIN OR DERMA?)
171 S L16(L) (RADIO? OR RADIAT? OR IONIZ?)
168 S L18 AND (SKIN OR DERMA?)
11 S L19 NOT PY>=2000

FILE 'EUROPATFULL, FRFULL, PATDPAFULL, PCTFULL, RDISCLOSURE, USPATFULL,
USPAT2' ENTERED AT 11:02:32 ON 13 OCT 2004

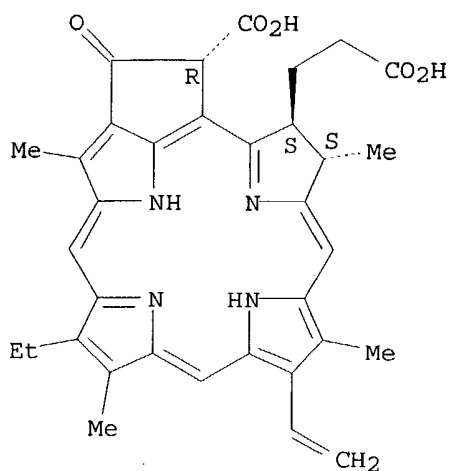
1074 S CHLOROPHYLLIN OR PHOTOCHLORINE OR PHYTOCHLORIN
6 S L21 AND VITAMIN(W)D3
0 S L6 NOT PY>=2001
260 S L21 AND (RADIO? OR RADIAT?)
92 S L24 NOT PY>=2001
139 S L24 AND (SKIN OR DERMA?)
27 S L26 NOT PY>=2001
83 S L26 AND (UV OR UVA OR UVB)
7 S L28 NOT PY>=2001

FILE 'USPATFULL, USPAT2' ENTERED AT 11:20:08 ON 13 OCT 2004

2636 S 57828-26-9 OR 1200-22-2 OR LIPOIC(W)ACID OR THIOCTIC(W)ACI
755 S L30 AND (UV OR UVA OR UVB) AND (RADIO? OR RADIAT?) AND (SK
71 S L31 NOT PY>=2001
48 S L31 NOT PY>=2000
2213 S LIPOIC(W)ACID
746 S L34(L) (UV OR UVA OR UVB) (L) (UV OR UVA OR UVB) (L) (SKIN OR DER
53 S L35 NOT PY>=2000

L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 72939-69-6 REGISTRY

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 3-Phorbinepropanoic acid, 21-carboxy-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-, (3S,4S,21R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

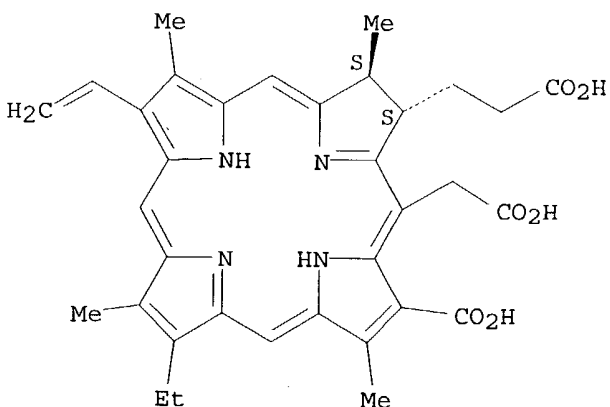
CN 3-Phorbinepropanoic acid, 21-carboxy-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-, [3S-(3 α ,4 β ,21 β)]-

OTHER NAMES:

CN **Chlorophyllin**

L1 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 19660-77-6 REGISTRY

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 21H,23H-Porphine-7-propanoic acid, 3-carboxy-5-(carboxymethyl)-13-ethenyl-18-ethyl-7,8-dihydro-2,8,12,17-tetramethyl-, (7S,8S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Porphinepropionic acid, 18-carboxy-20-(carboxymethyl)-13-ethyl-2 β ,3-dihydro-3 β ,7,12,17-tetramethyl-8-vinyl- (8CI)

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-20-(carboxymethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-, (2S-trans)-

CN Chlorine e6 (6CI, 7CI)

OTHER NAMES:

CN	Chlorin a6
CN	Chlorin e6
CN	Chlorine a6
CN	Chlorophyllin
CN	Photochlorine
CN	Photolon
CN	Phytochlorin
CN	Phytochlorin e6
CN	Phytochlorine e6

=> s e3

L9 2 "LIPOIC ACID"/CN

=> d rn str cn 1-2

L9 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN

RN 57828-26-9 REGISTRY

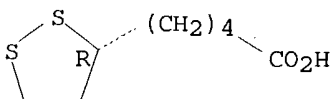
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CN **Lipoic acid (9CI)** (CA INDEX NAME)

L9 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN

RN 1200-22-2 REGISTRY

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 1,2-Dithiolane-3-pentanoic acid, (3R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Dithiolane-3-pentanoic acid, (R)-

CN 1,2-Dithiolane-3-valeric acid, (+)- (8CI)

OTHER NAMES:

CN (R)-(+)- α -Lipoic acid

CN (R)- α -Lipoic acid

CN (R)-Lipoic acid

CN α -(+)-Lipoic acid

CN α -Lipoic acid

CN d-Thioctic acid

CN **Lipoic acid**

CN R-(+)-Thioctic acid

CN Tiobec

=> d ibib 1-5

L15 ANSWER 1 OF 5 PCTFULL COPYRIGHT 2004 Univentio on STN
ACCESSION NUMBER: 2004064725 PCTFULL ED 20040816 EW 200432
TITLE (ENGLISH): ORAL COMPOSITIONS AND METHODS FOR TREATMENT OF ADVERSE
EFFECTS OR RADIATION
TITLE (FRENCH): COMPOSITIONS A ADMINISTRATION ORALE ET METHODES
PERMETTANT LE TRAITEMENT DES EFFETS SECONDAIRES DES
RAYONS
INVENTOR(S): ROSENBLOOM, Richard, A., 524 Shoemaker Road, Elkins
Park, PA 19027, US
PATENT ASSIGNEE(S): THE QUIGLEY CORPORATION, The Kells Building, 621 Shady
Retreat Road, P.O. Box 1349, Doylestown, PA 18901-2514,
US [US, US]
AGENT: DUNLEAVY, Kevin, J.\$, Knoble & Yoshida, LLC, Suite
1350, Eight Penn Center, 1628 John F. Kennedy Blvd.,
Philadelphia, PA 19103\$, US
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2004064725	A2	20040805

DESIGNATED STATES

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SK
SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
RW (ARIPO): BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
MC NL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.: WO 2003-US39341 A 20031210
PRIORITY INFO.: US 2003-10/341,508 20030113

L15 ANSWER 2 OF 5 PCTFULL COPYRIGHT 2004 Univentio on STN
ACCESSION NUMBER: 2004037184 PCTFULL ED 20040512 EW 200419
TITLE (ENGLISH): METHODS FOR THE TREATMENT OF SKIN DISORDERS
TITLE (FRENCH): METHODES DE TRAITEMENT DE TROUBLES CUTANES
INVENTOR(S): ROSENBLOOM, Richard, A., 524 Shoemaker Road, Elkins
Park, PA 19027, US [US, US]
PATENT ASSIGNEE(S): THE QUIGLEY CORPORATION, 621 North Shady Retreat Road,
Doylestown, PA 18901-2514, US [US, US], for all
designates States except US;
ROSENBLOOM, Richard, A., 524 Shoemaker Road, Elkins
Park, PA 19027, US [US, US], for US only
AGENT: DUNLEAVY, Kevin, J.\$, Knoble & Yoshida, LLC, Eight Penn
Center, 1628 John F. Kennedy Blvd., Suite 1350,
Philadelphia, PA 19103\$, US
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2004037184	A2	20040506

DESIGNATED STATES

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD
SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU
ZA ZM ZW

RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
 MC NL PT RO SE SI SK TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 APPLICATION INFO.: WO 2003-US33415 A 20031022
 PRIORITY INFO.: US 2002-10/279,315 20021024

L15 ANSWER 3 OF 5 PCTFULL COPYRIGHT 2004 Univentio on STN
 ACCESSION NUMBER: 2003051287 PCTFULL ED 20030701 EW 200326
 TITLE (ENGLISH): TOPICAL COMPOSITIONS AND METHODS FOR TREATMENT OF
 ADVERSE EFFECTS OF IONIZING RADIATION
 TITLE (FRENCH): COMPOSITIONS TOPIQUES ET PROCEDES DE TRAITEMENT DES
 EFFETS SECONDAIRES IMPUTABLES AUX RADIATIONS IONISANTES
 INVENTOR(S): ROSENBLOOM, Richard, A., 524 Shoemaker Road, Elkins
 Park, PA 19027, US [US, US]
 PATENT ASSIGNEE(S): THE QUIGLEY CORPORATION, 621 North Shady Retreat Road,
 Doylestown, PA 18901-2514, US [US, US], for all
 designates States except US;
 ROSENBLOOM, Richard, A., 524 Shoemaker Road, Elkins
 Park, PA 19027, US [US, US], for US only
 AGENT: DUNLEAVY, Kevin, J.\$, Knoble & Yoshida, LLC, Eight Penn
 Center, Suite 1350, 1628 John F. Kennedy Blvd.,
 Philadelphia, PA 19103\$, US
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2003051287	A2	20030626

DESIGNATED STATES
 W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
 CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
 IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
 MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
 SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC
 NL PT SE SK TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 APPLICATION INFO.: WO 2002-US35701 A 20021106
 PRIORITY INFO.: US 2001-09/993,003 20011106
 US 2002-10/790,045 20020114
 US 2002-10/132,642 20020425

L15 ANSWER 4 OF 5 PCTFULL COPYRIGHT 2004 Univentio on STN
 ACCESSION NUMBER: 2003039452 PCTFULL ED 20030520 EW 200320
 TITLE (ENGLISH): NUTRITIONAL SUPPLEMENTS AND METHODS FOR PREVENTION,
 REDUCTION AND TREATMENT OF RADIATION INJURY
 TITLE (FRENCH): COMPLEMENTS ALIMENTAIRES ET METHODES DE PREVENTION, DE
 REDUCTION ET DE TRAITEMENT D'UNE RADIOLESION
 INVENTOR(S): ROSENBLOOM, Richard, A., 524 Shoemaker Road, Elkins
 Park, PA 19027, US [US, US]
 PATENT ASSIGNEE(S): THE QUIGLEY CORPORATION, Kells Building, 621 Shady
 Retreat Road, P.O. Box 1349, Doylestown, PA 18901-1349,
 US [US, US], for all designates States except US;
 ROSENBLOOM, Richard, A., 524 Shoemaker Road, Elkins
 Park, PA 19027, US [US, US], for US only
 AGENT: DUNLEAVY, Kevin, J.\$, Knoble & Yoshida, LLC., 1628 John
 F. Kennedy Blvd., Suite 1350, Philadelphia, PA 19103\$,
 US
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
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	WO 2003039452	A2 20030515
DESIGNATED STATES		
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW	
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW	
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM	
RW (EPO):	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE	
	TR	
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG	
APPLICATION INFO.:	WO 2002-US13526	A 20020501
PRIORITY INFO.:	US 2001-09/993,003	20011106
	US 2002-10/045,790	20020114
	US 2002-10/132,642	20020425

L15 ANSWER 5 OF 5
 PCTFULL COPYRIGHT 2004 Univentio on STN
 ACCESSION NUMBER: 2002049501 PCTFULL ED 20020709 EW 200226
 TITLE (ENGLISH): LOCAL REGIONAL CHEMOTHERAPY AND RADIOTHERAPY USING IN
 SITU HYDROGEL
 TITLE (FRENCH): CHIMIOETHERAPIE ET RADIOTHERAPIE REGIONALES LOCALES AU
 MOYEN D'UN HYDROGEL IN SITU
 INVENTOR(S): YANG, David, J., 1123 Spinnaker Way, Sugar Land, TX
 77478, US;
 YU, Dong-Fang, 15002 Beechurst Drive, Houston, TX
 77062, US;
 AZHDARINIA, Ali, 8819 Woodleigh, HOUSTON, TX 77083, US;
 LEE, Tommy, L., 9607 Enstone Circle, Spring, TX 77379,
 US;
 KIM, E., Edmund, 7 Magnolia Bend, Houston, TX 77024, US
 PATENT ASSIGNEE(S): BOARD OF REGENTS, UNIVERSITY OF TEXAS SYSTEM, 201 West
 7th Street, Austin, TX 78701, US [US, US]
 AGENT: SISTRUNK, Melissa, L.\$, Fulbrighth & Jaworski, L.L.P.,
 Suite 5100, 1301 McKinney, Houston, TX 77010-3095\$, US
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

	NUMBER	KIND	DATE
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	WO 2002049501	A2	20020627
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW		
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE		
	TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2001-US49087	A	20011218
PRIORITY INFO.:	US 2000-60/256,514		20001218